



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/998,908	11/30/2001	Chi-Cheng Lee	OBLX-01026US0	4166

7590

01/25/2005

Burt Magen
Vierra Magen Marcus Harmon & DeNiro, LLP
Suite 540
685 Market Street
San Francisco, CA 94105-4206

EXAMINER

NGUYEN, THANH (TAMMY) T

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/998,908

Applicant(s)

LEE ET AL.

Examiner

Tammy T Nguyen

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE (3) MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-57 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-57 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>3/19/04</u> . | 6) <input type="checkbox"/> Other: _____ |



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENT
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20590
www.uspto.gov

Detailed Office Action

1. This action is in response to the application 09/998,908 filed. Nov 30, 2001.
2. Claims 1-57 have been examined.

Specification

3. Claims 5 and 6 are objected to because of the following informalities:

Applicants are required to spell out the term LDAP in claim 5 and SQL in claim 6. Appropriate correction is required.
4. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
5. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-4 and 7-57 are rejected under 35 U.S.C. 102(e) as being anticipated by Hassett et al. (USPN 6,173,311 – Date of Patent: January 9, 2001, herein referred to as “Hassett”).
8. As to claim 1, Hassett discloses a method of supporting multiple data stores (cache 220 and 270 fig.2) for an integrated access system and identity system, comprising the steps of: receiving a request at said integrated (receiving request from client to access to data information) access system and identity system (210 fig.2), said integrated access system and identity system supporting a plurality of data stores (cache 220 and 270 fig.2) (see abstract, fig.2, col.6 line 66 to col.7 line 15); accessing one or more of said data stores (cache 220 and 270 fig.2) in response to said request, and reporting

information based on said step of accessing (transmitting a table to the caching server to identify which caching server agent will serve the request, see also figs.3A, 3B, col.7 lines 16-65).

9. As to claims 2-4, Hassett discloses that the step of accessing includes reading data, writing data and step of reporting includes confirming a write action (performing read and write operations, see col.8 lines 14-63 and col.9 lines 9-33).
10. As to claims 7-9, Hassett discloses said plurality of data stores include different types of data stores, reading first data from a first data store (220 fig.2) and reading second data from a second data store (270 fig.2) and said step of reporting includes translating said first data to a first format and translating said second data to said first format (processing a variety of data formats such as MIME, ASCII, see col.9 line 61 to col.10 line 57 and col.12 lines 12-67).
11. As to claims 10-11, Hassett discloses prior to said translating, said first data is in a different format than said second data, said first data store is a first type of data store, said second data store is a second type of data store, said step of accessing includes reading first data from a first data store and reading second data from a second data store and said step of reporting includes combining

Art Unit: 2144

said first data with said second data (see col.12 lines 12-67 and col.18 lines 4-61).

12. As to claims 12-13, Hassett discloses said first data store is a first type of data store, said second data store is a second type of data store, said step of accessing includes multiple read and write operations to said data stores in response to said request (performing read and write operations, see col.8 lines 14-63 and col.9 lines 9-33).
13. As to claim 14, Hassett discloses determining which data stores can service a particular data access, creating a proxy with one or more pointers to agents for said data stores that can service said particular data access (selecting which agent will serve the client's request), and facilitating performance of said particular data access using said proxy (see figs.2 and 12, col.7 lines 5-26 and col.12 lines 3-57).
14. As to claims 15-17, Hassett discloses determining which data stores can service a particular data access, each data store is associated with an agent, and communicating with agents for said data stores that can service said particular data access in order to perform said particular data access (see fig.8, col.9 line 34 to col.10 line 44), said data stores store disjoint namespaces and each said data store stores a different portion of a directory (Corporate Scratch Directory, see col.12 lines 4-67).

15. As to claim 18, Hassett discloses method of supporting multiple data stores, comprising the steps of: receiving a request (receiving request from client to access to data information) to access one or more of a plurality of data stores (220 and 270 fig.2) and determining which data stores can service said request, each data store is associated with a separate agent (210 and 230 fig.2) (see abstract, fig.2, col.6 line 66 to col.7 line 15); accessing said data stores (220 and 270 fig.2) that can service said request by communicating with said associated agents and reporting information based on said step of accessing (transmitting a table to the caching server to identify which caching server agent will serve the request, see figs.3A, 3B, col.7 lines 16-65).
16. As to claims 19-20, Hassett discloses determining includes querying a profile (category ID) for each data store, creating a proxy (using proxy server) with one or more pointers to agents associated with said data stores that can service said request and communicating, via said proxy, with said data stores that can service said request (see figs.3A, 3B, col.7 line 27 to col.8 line 32).
17. As to claims 21-22, Hassett discloses receiving, determining, creating and communicating are performed by a database manager (using a database server); and each data store is associated with a connection manager for communicating with said data store (see figs. 11A, 12, col.11 line 52 to col.12 line 57).

18. As to claim 23, Hassett discloses determining includes querying a profile for each data store, creating a proxy with one or more pointers to agents associated with said data stores that can service said request, and communicating, via said proxy, with said data stores that can service said request (see col.7 lines 27-65); receiving, determining, creating and communicating are performed by a database manager (using a database server); and each data store is associated with a connection manager for communicating with said data store (see figs. 11A, 12, col.11 line 52 to col.12 line 57); said step of communicating is not performed by said database manager and each data store is associated with a collection manager for communicating with said data store (see col.18 lines 4-61).
19. As to claims 24-25, Hassett discloses said plurality of data stores include different types of data stores and step of accessing includes reading first data from a first data store and reading second data from a second data store and said step of reporting includes translating said first data to a first format and translating said second data to said first format, prior to said translating, said first data is in a different format than said second data (processing a variety of data formats such as MIME, ASCII, see col.9 line 61 to col.10 line 57 and col.12 lines 12-67).

20. As to claim 26, Hassett discloses said step of accessing includes reading first data from a first data store and reading second data from a second data store; said first data store is a first type of data store and said second data store is a second type of data store; and said step of reporting includes combining said first data with said second (see col.12 lines 12-67 and col.18 lines 4-61).
21. As to claim 27, Hassett discloses steps of receiving, determining, accessing and reporting are performed by an Identity System (see fig.2, col.7 lines 9-65).
22. As to claim 28, Hassett discloses a method of supporting multiple data stores (220 and 270 fig.2), comprising the steps of: receiving a request to access one or more of a plurality of data stores and determining which data stores can service said request (see abstract, fig.2, col.6 line 66 to col.7 line 15); creating a proxy having knowledge of which data stores can service said request, using said proxy to access said data stores that can service said request and reporting information based on said step of accessing (transmitting a table to the caching server to identify which caching server agent will serve the request, see figs.3A, 3B, col.7 lines 16-65).
23. As to claims 29-30, Hassett discloses said knowledge of which data stores can service said request includes maintaining a set of pointers to agents for said data stores that can service said request and receiving, at said proxy, a data operation, communicating said data operation from said proxy to data stores,

Art Unit: 2144

receiving one or more results (identifying which caching server agent will serve the request) at said and reporting said results (using a database server, see figs. 11A, 12, col.7 lines 16-65 and col.11 line 52 to col.12 line 57).

24. As to claims 31-32, Hassett discloses said plurality of data stores include different types of data stores and reading first data from a first data store and reading second data from a second data store, said step of reporting includes translating said first data to a first format and translating said second data to said first format, said first data is in a different format than said second data prior to said translating (processing a variety of data formats such as MIME, ASCII, see col.9 line 61 to col.10 line 57 and col.12 lines 12-67).
25. Claims 33-53 are rejected for the same reasons set forth in claims 26-28, 31, 32, 14, 15, 18, 23, 24, 25, 27, 18, 19, 25, 27, 18, 19, 48 and 49 respectively.
26. As to claim 54, Hassett discloses using includes said proxy communicating with separate agent (using proxy server to process client's request) for each of said data stores that can service said request (see col.7 lines 9-65).
27. As to claim 55, Hassett discloses a system that supports multiple data stores, comprising: a set of profiles (user category Ids), each profile associated with one of said data stores and a set of agents, each agent associated with one of

Art Unit: 2144

said data stores (220 and 270 fig.2), a temporary proxy (210 fig.2) and a database manager (230 fig.2), said database manager in communication with said profiles (see abstract, fig.2, col.6 line 66 to col.7 line 15); said database manager creates said proxy in response to a request to access said data stores, said database manager caused said proxy to be in communication with agents associated with data stores that can service said request (transmitting a table to the caching server to identify which caching server agent will serve the request, see figs.3A, 3B, col.7 lines 16-65).

28. As to claims 56-57, Hassett discloses said database manager is part of an integrated Identity System and Access System and said multiple data stores include different types of data stores (processing a variety of data formats such as MIME, ASCII, see col.9 line 61 to col.10 line 57 and col.12 lines 12-67).

Claim Rejections - 35 USC § 103

29. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2144

30. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hassett et al., (hereinafter Hassett) U.S. Patent No. 6,173,311 in view of Brown et al., (hereinafter Brown) U.S. Patent No. 6,678,733.
31. As to claim 5, Hassett does not explicitly teach plurality of data stores includes LDAP directories. However, Brown discloses LDAP directories (see col.9, line 40 to col.10, line 10). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Brown into the computer system of Hassett to have plurality of data stores includes LDAP directories because it would have made it possible for almost any application running on virtually any computer platform to obtain directory information such as email address and public keys, and need not worry about the type of server hosting the directory.
32. As to claim 6, Hassett does not explicitly teach plurality of data stores includes at least one SQL database. However, Brown teaches data stores include at least one SQL database (see col.9, line 40 to col.10, line 10). It would have been obvious to one of ordinary skill in the art at the time of the invention was made to implement the teachings of Brown into the computer system of Hassett to have plurality of data stores includes at least one SQL database because it would have provided a favorite query language for database management systems running on minicomputers and mainframes,

Art Unit: 2144

and it also supports distributed databases (databases that are spread out over several computer systems).

Conclusion

33. Any inquiries concerning this communication or earlier communications from the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at **(571) 272-3929**. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 5:00 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to **(703) 872-9306**. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, Bill Cuchlinski, may be reached at **(571) 272-3905**.

TTN
January 18, 2005

MARC D. THOMPSON
MARC THOMPSON
PRIMARY EXAMINER
571 272 3932